

FIGURE 1

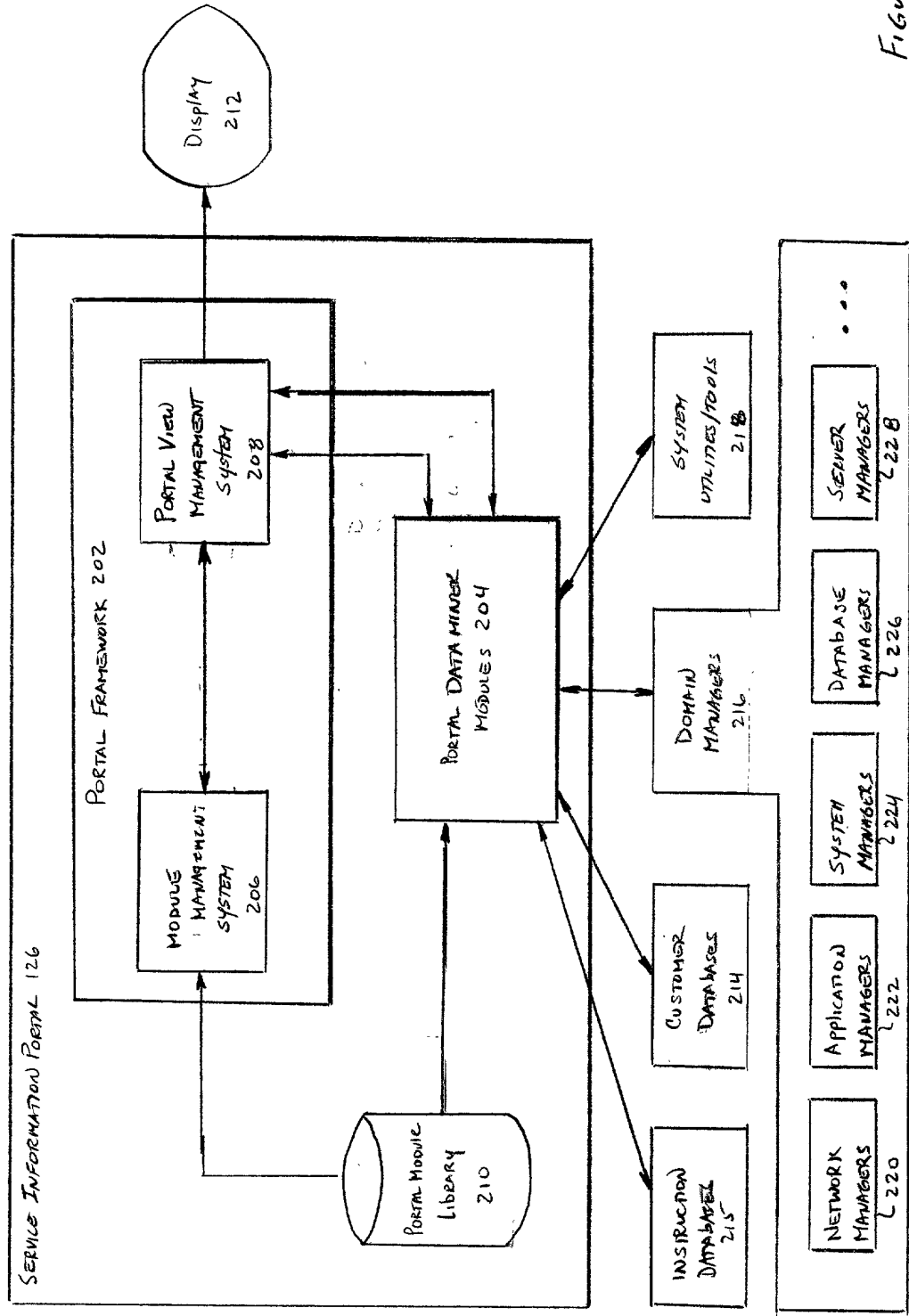


FIGURE 2

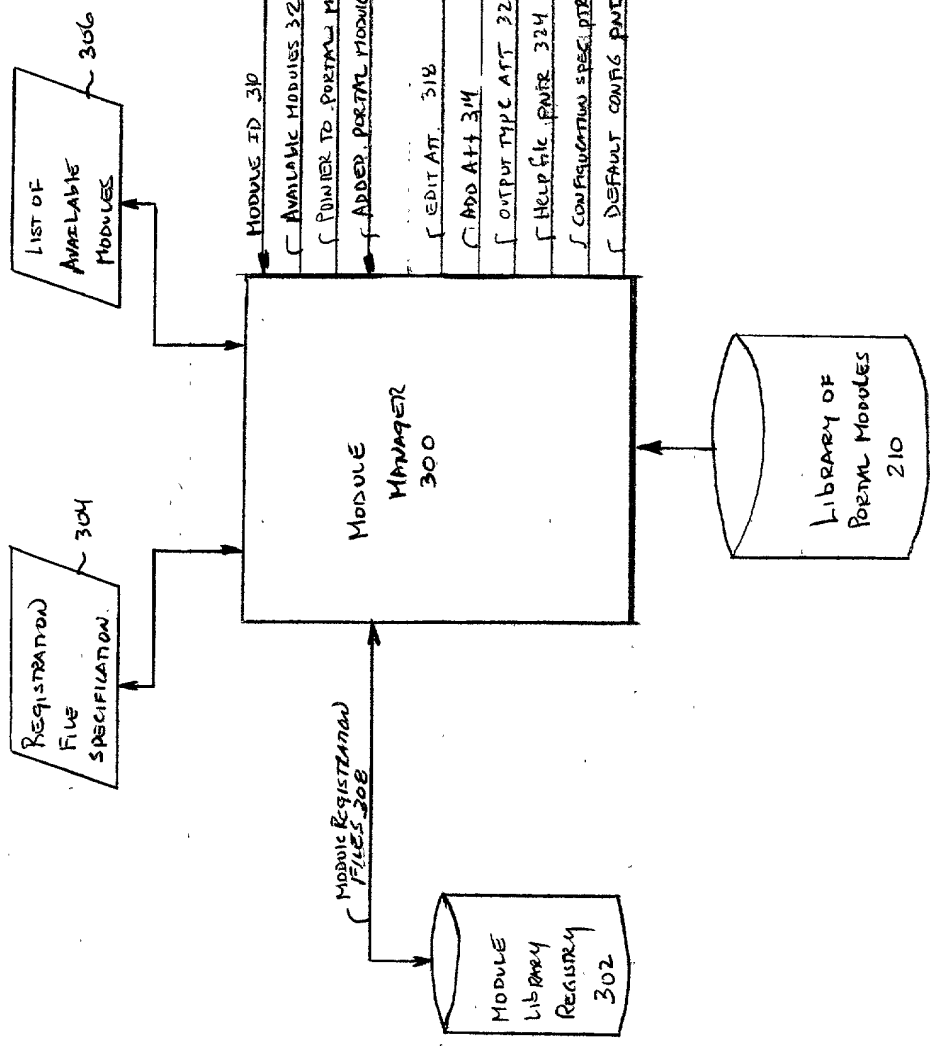


Figure 3A

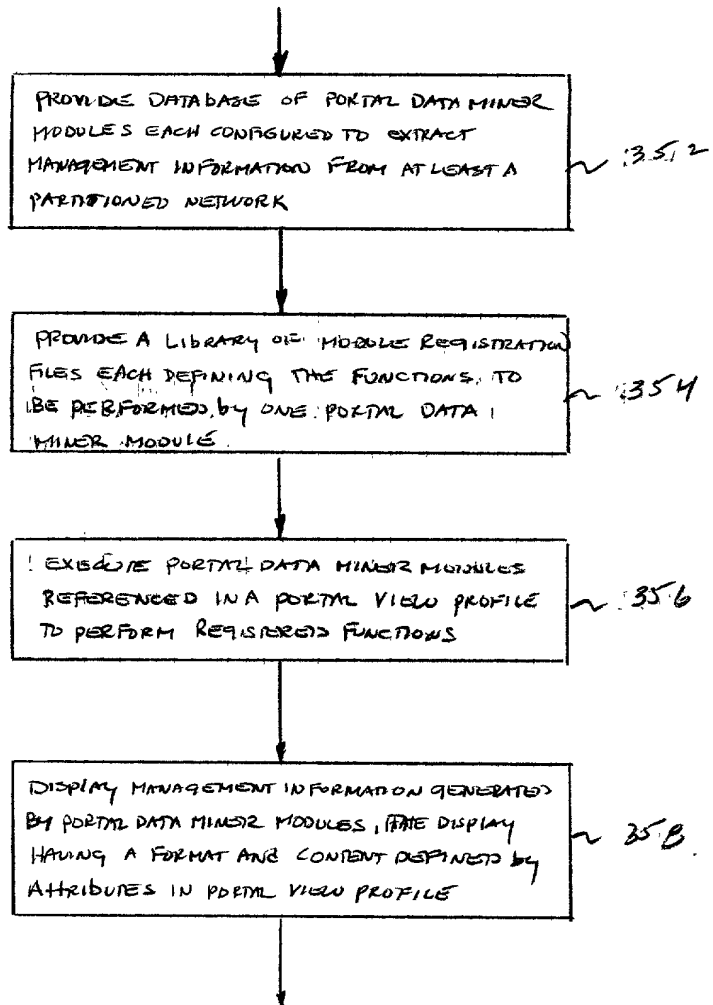


FIGURE 3B

Module Registration File
Specification 400

```

1 <!-- OVModuleRegistration.dtd -->
2 <!-- Copyright (c) 2000 Hewlett-Packard
3 Company -->
4 <!-- $Revision: /main/BACCHUS/8 $ -->
5 <!-- $Date: 2001/03/15 00:13 UTC $ -->
6
7 <!ELEMENT ModuleRegistration EMPTY>
8
9 <!ATTLIST ModuleRegistration
10     vendorName          CDATA #IMPLIED
11     vendorURL           CDATA #IMPLIED
12     description         CDATA #IMPLIED
13     version             CDATA #IMPLIED
14     category            CDATA "General"
15     title               CDATA #IMPLIED
16     classid             ID    #REQUIRED
17     implementation      CDATA #REQUIRED
18     outputType
19     (narrow|NARROW|wide|WIDE|any|ANY) "narrow"
20     add
21     (1|0|YES|yes|NO|no) "no"
22     edit
23     (1|0|YES|yes|NO|no) "no"
24     help                CDATA #IMPLIED
25     configDTD           CDATA #IMPLIED
26     defaultConfigXML    CDATA #IMPLIED>

```

HEADER DATA
402

404

ATTRIBUTE
LIST 406

Figure 4

NETWORK HEALTH
MODULE REGISTRATION FILE
500

```
1 <?xml version="1.0" standalone="no"?>
2 <!DOCTYPE ModuleRegistration SYSTEM
3 "OVModuleRegistration.dtd">
4 <ModuleRegistration
5     vendorName    ="Hewlett-Packard
6                   Company"
7     vendorURL     ="http://www.
8                   openview.hp.com"
9     description   ="HP OpenView SIP Network
10                  Device Health Module"
11     version       ="2.0"
12     category      ="NNM"
13     title         ="Network Device
14                  Health"
15     classid       ="com.hp.ov.portal.
16                  modules.health"
17     implementation
18                 ="/servlet/com.hp.ov.
19                  portal.modules.health.
20                  HealthServlet"
21     outputType    ="narrow"
22     add           ="yes"
23     edit          ="yes"
24     help          ="/OvSipDocs/C/help/
25                  NNM/healthView.html"
26     configDTD     ="OVNetworkHealth.dtd"
27     defaultConfigXML
28                 ="defaults/
29                  OVDefaultNetHealth.
30                  xml"
31 />
```

FIGURE 5

FIGURE 6 is a block diagram of the Portal View Management System 208. The system includes a User ID input, a Module Manager 300, a Portal View Profile Manager 602, a Portal View Display Manager 604, a Portal View Edit Manager 606, a Help Display Manager 608, and a User Interface/Display 212. The Module Manager 300 is connected to the Portal View Profile Manager 602, the Portal View Display Manager 604, and the Portal View Edit Manager 606. The Portal View Profile Manager 602 is connected to the Portal View Display Manager 604. The Portal View Display Manager 604 is connected to the Portal View Edit Manager 606. The Portal View Edit Manager 606 is connected to the Help Display Manager 608. The Help Display Manager 608 is connected to the User Interface/Display 212. The User ID input is connected to the Portal View Profile Manager 602. The User Interface/Display 212 is connected to the Portal View Edit Manager 606.

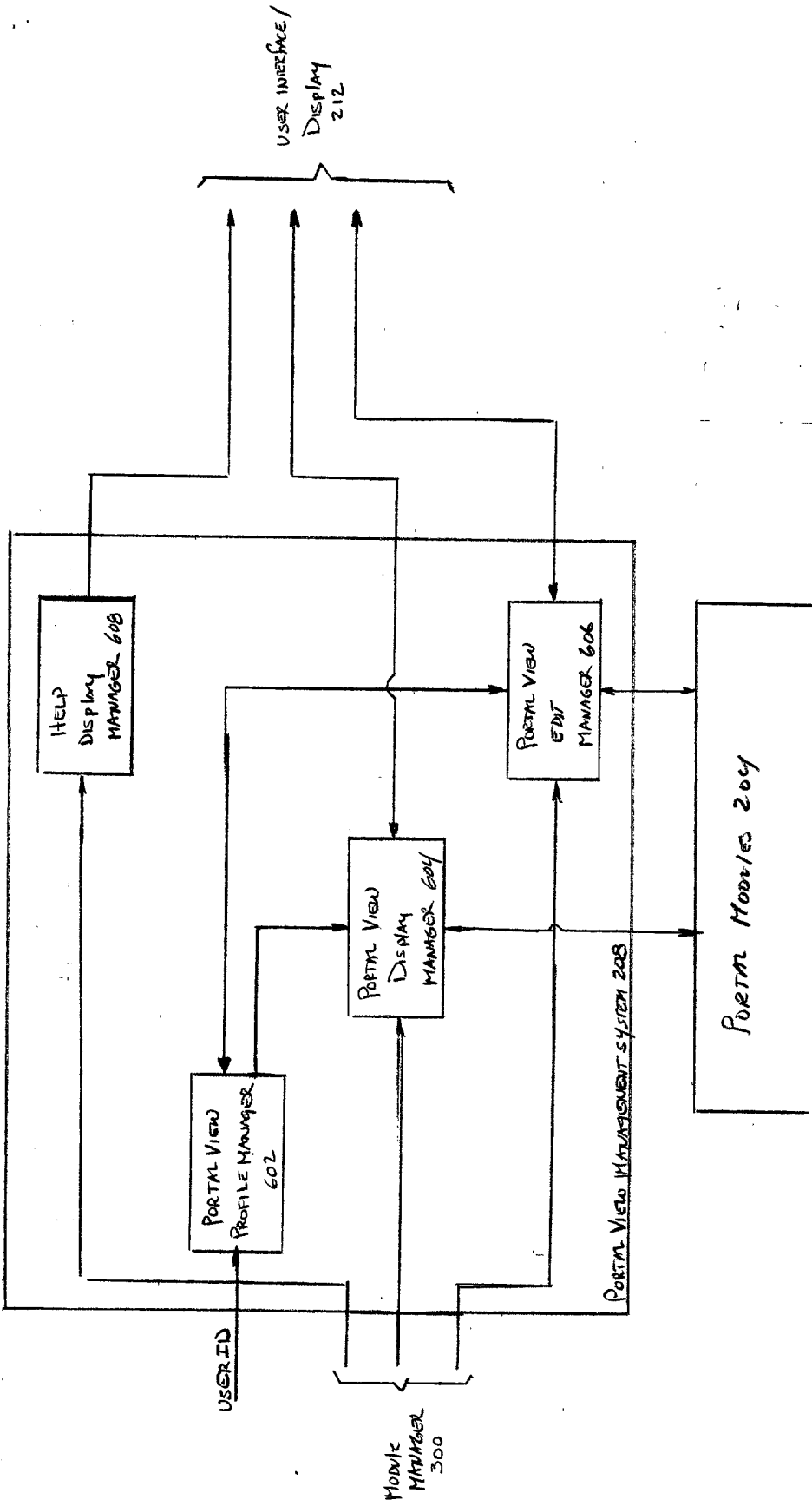


FIGURE 6



22-141 50 SHEETS
22-142 100 SHEETS
22-144 200 SHEETS

22-141 50 SHEETS
22-142 100 SHEETS
22-144 200 SHEETS

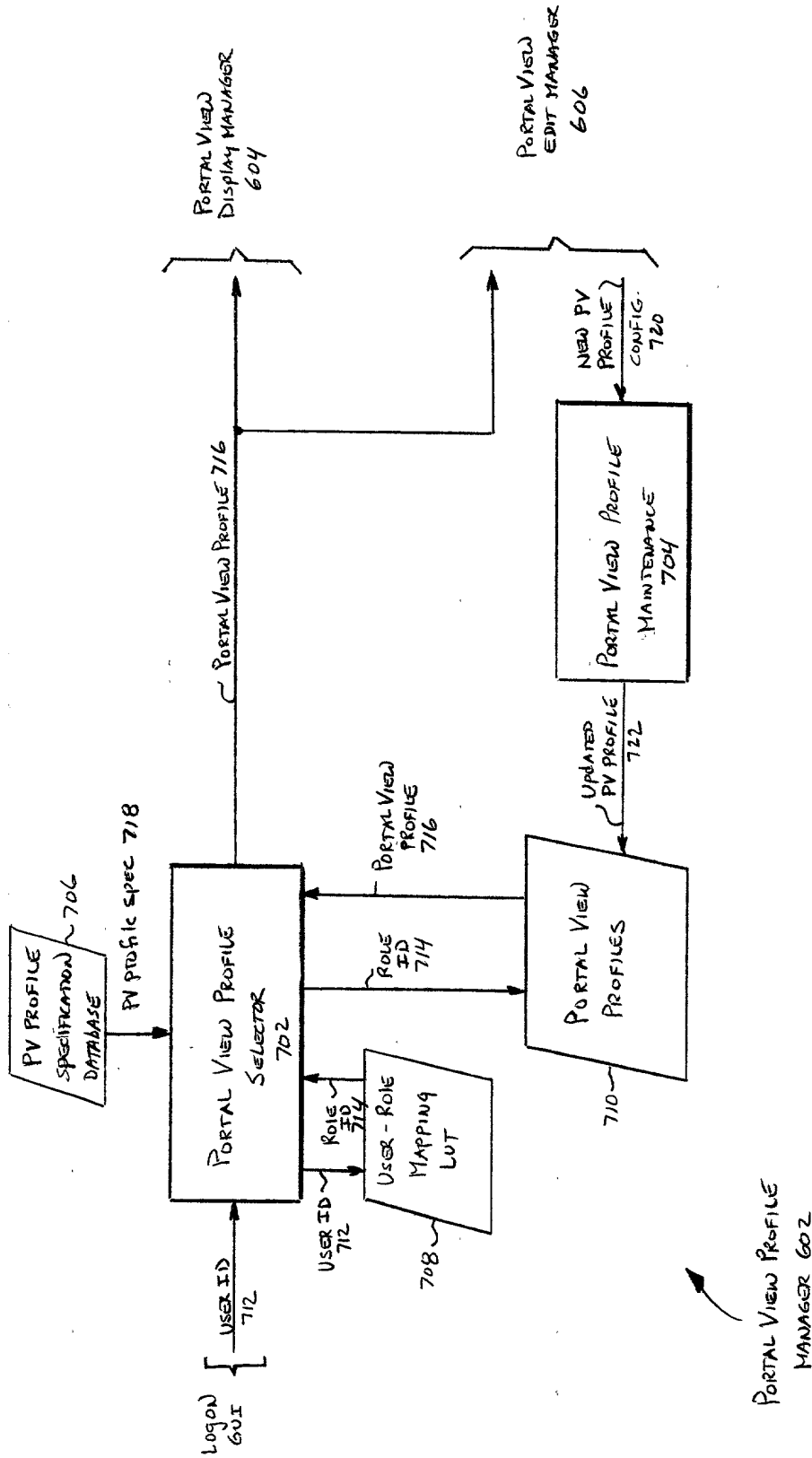


FIGURE 7

HEADER 806
SHEET 802A
COLUMN 804A
PORTAL MODULE REFERENCE 808A
CONFIGURATION PARAMETERS 810
PORTAL MODULE REFERENCE 808B
COLUMN 804B
SHEET 802B

FIGURE 8

Header 2
902

NETWORK HEALTH
ELEMENTS PER
904

SUMMARY ELEMENT
SPEC. 906

FIGURE 9.

FIGURE 10A
FIGURE 10B
FIGURE 10C
FIGURE 10D
FIGURE 10E
FIGURE 10F
FIGURE 10G

FIGURE 10

<pre> 1 <?xml version="1.0" encoding="UTF-8"?> 2 <!DOCTYPE PortalView SYSTEM 3 "../PortalView.dtd"> 4 <PortalView 5 colorScheme="/OvSipDocs/styles/default.css" 6 defaultSheetID="NetworkSheet" 7 refreshRate="5000" showDateTime="yes" 8 showUserName="yes" userName="Any User"> 9 <Sheet id="NetworkSheet" title="Network"> 10 <Column width="narrow"> 11 <ModuleInstance 12 classid="com.hp.ov.portal.modules.health" 13 display="yes" id="NetworkHealth" 14 rollupState="down"> 15 <NetworkHealth showRawData="no" 16 showUnknown="no"> 17 <Summary display="no" 18 displayDepth="3" id="InterfaceHealth" 19 title="Interface Health"> 20 <Component href="#IfStatus" 21 vital="yes" weight="2"/> 22 <Component href="#IfUtil" 23 vital="no" weight="1"/> 24 <Component href="#IfInErrors" 25 vital="no" weight="1"/> 26 <Component 27 href="#IfOutErrors" vital="no" weight="1"/> 28 <InterfaceSelection 29 id="AllInterfaces" op="AND" title="All 30 Interfaces"/> 31 </Summary> </pre>	<p>HEADER 1002</p> <p>PORTAL VIEW WINDOW ATTRIBUTES 1004</p> <p>PORTAL MODULE REFERENCE 1006A</p>
--	---

Figure 10A

<pre> 32 <Summary display="yes" 33 displayDepth="3" id="RouterHealth" 34 title="Router Health"> 35 <Component href="#IfHealth" 36 vital="no" weight="1"/> 37 <Component 38 href="#CiscoCpuUtil" vital="no" weight="1"/> 39 <NodeSelection id="Routers" 40 op="AND" title="Routers"> 41 <CapabilityFilter op="OR"> 42 <Capability 43 field="isRouter" value="true"/> 44 </CapabilityFilter> 45 </NodeSelection> 46 </Summary> 47 <Summary display="no" 48 displayDepth="3" id="KeyDeviceHealth" 49 title="Key Device Health"> 50 <Component href="#IfHealth" 51 vital="no" weight="1"/> 52 <NodeSelection 53 id="KeyDevices" op="AND" title="Key Devices"> 54 <CapabilityFilter op="OR"> 55 <Capability 56 field="isKeyDevice" value="true"/> 57 </CapabilityFilter> 58 </NodeSelection> 59 </Summary> </pre>	<pre> ~ PORTAL Module REFERENCE 1006A (CONT) </pre>
--	---

FIGURE 10B

PORTAL VIEW PROFILE
1000

```

60 |      <Summary display="no"
61 | displayDepth="3" id="CPEHealth" title="CPE
62 | Health">
63 |      <Component href="#IfHealth"
64 | vital="no" weight="1"/>
65 |      <NodeSelection id="CPE"
66 | op="AND" title="Customer Premise Equipment">
67 |      <CapabilityFilter op="OR">
68 |      <Capability
69 | field="isCPE" value="true"/>
70 |      </CapabilityFilter>
71 |      </NodeSelection>
72 |      </Summary>
73 |      <Summary display="no"
74 | displayDepth="3" id="ServerHealth"
75 | title="Server Health">
76 |      <Component href="#IfHealth"
77 | vital="no" weight="1"/>
78 |      <NodeSelection id="Servers"
79 | op="AND" title="Servers">
80 |      <CapabilityFilter op="OR">
81 |      <Capability
82 | field="isServer" value="true"/>
83 |      </CapabilityFilter>
84 |      </NodeSelection>
85 |      </Summary>
86 |      </NetworkHealth>
87 |      </ModuleInstance>

```

PORTAL MODULE
REFERENCE
1006A
(CONIT)

FIGURE 102

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FIGURE 10D


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<ModuleInstance
classid="com.hp.ov.portal.modules.service.SvcHealthServlet" display="yes"
help="/OvSipDocs/C/help/VPNavigator/healthView.html" id="module11" rollupState="down"
title="Service Health">
    <ServiceHealth details="no"
server="">
        <ServiceSummary critical="no"
id="normal" inverse="no" major="no" minor="no"
normal="yes" recursive="yes" scoreName="Normal"
title="Normal Services" warning="no"/>
        <ServiceSummary critical="yes"
id="critical" inverse="yes" major="no"
minor="no" normal="no" recursive="yes"
scoreName="Critical" title="Critical Services"
warning="no"/>
        <ServiceSummary critical="yes"
id="abnormal" inverse="yes" major="yes"
minor="yes" normal="no" recursive="yes"
scoreName="Abnormal" title="Abnormal Services"
warning="yes"/>
    </ServiceHealth>
</ModuleInstance>
</Column>
<Column width="wide">
    <ModuleInstance
classid="com.hp.ov.portal.modules.service.SvcListServlet" display="yes"
help="/OvSipDocs/C/help/VPNavigator/browserView.html" id="module7" rollupState="down"
title="Service Browser">
    <ServiceBrowser details="no"
server=""/>
</ModuleInstance>

```

10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100	101	102	103	104	105	106	107	108	109	110	111	112	113	114	115	116	117	118	119	120	121	122	123	124	125	126	127	128	129	130	131	132	133	134	135	136	137	138	139	140	141	142	143	144	145	146	147	148	149	150	151	152	153	154	155	156	157	158	159	160	161	162	163	164	165	166	167	168	169	170	171	172	173	174	175	176	177	178	179	180	181	182	183	184	185	186	187	188	189	190	191	192	193	194	195	196	197	198	199	200	201	202	203	204	205	206	207	208	209	210	211	212	213	214	215	216	217	218	219	220	221	222	223	224	225	226	227	228	229	230	231	232	233	234	235	236	237	238	239	240	241	242	243	244	245	246	247	248	249	250	251	252	253	254	255	256	257	258	259	260	261	262	263	264	265	266	267	268	269	270	271	272	273	274	275	276	277	278	279	280	281	282	283	284	285	286	287	288	289	290	291	292	293	294	295	296	297	298	299	300	301	302	303	304	305	306	307	308	309	310	311	312	313	314	315	316	317	318	319	320	321	322	323	324	325	326	327	328	329	330	331	332	333	334	335	336	337	338	339	340	341	342	343	344	345	346	347	348	349	350	351	352	353	354	355	356	357	358	359	360	361	362	363	364	365	366	367	368	369	370	371	372	373	374	375	376	377	378	379	380	381	382	383	384	385	386	387	388	389	390	391	392	393	394	395	396	397	398	399	400	401	402	403	404	405	406	407	408	409	410	411	412	413	414	415	416	417	418	419	420	421	422	423	424	425	426	427	428	429	430	431	432	433	434	435	436	437	438	439	440	441	442	443	444	445	446	447	448	449	450	451	452	453	454	455	456	457	458	459	460	461	462	463	464	465	466	467	468	469	470	471	472	473
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PORTAL VIEW PROFILE
1000

177		<ModuleInstance		
178		classid="com.hp.ov.portal.modules.service.SvcGr		
179		aphServlet" display="yes"		
180		help="/OvSipDocs/C/help/VPNavigator/graphView.h		~ PORTAL MODULE REFERENCE
181		tml" id="module8" rollupState="down"		1006/H
182		title="Service Graph">		
183		<ServiceGraph server=""/>		
184		</ModuleInstance>		
185		</Column>		
186		</Sheet>		~ View Window ATTRIBUTES
187		</PortalView>		1004

FIGURE 106

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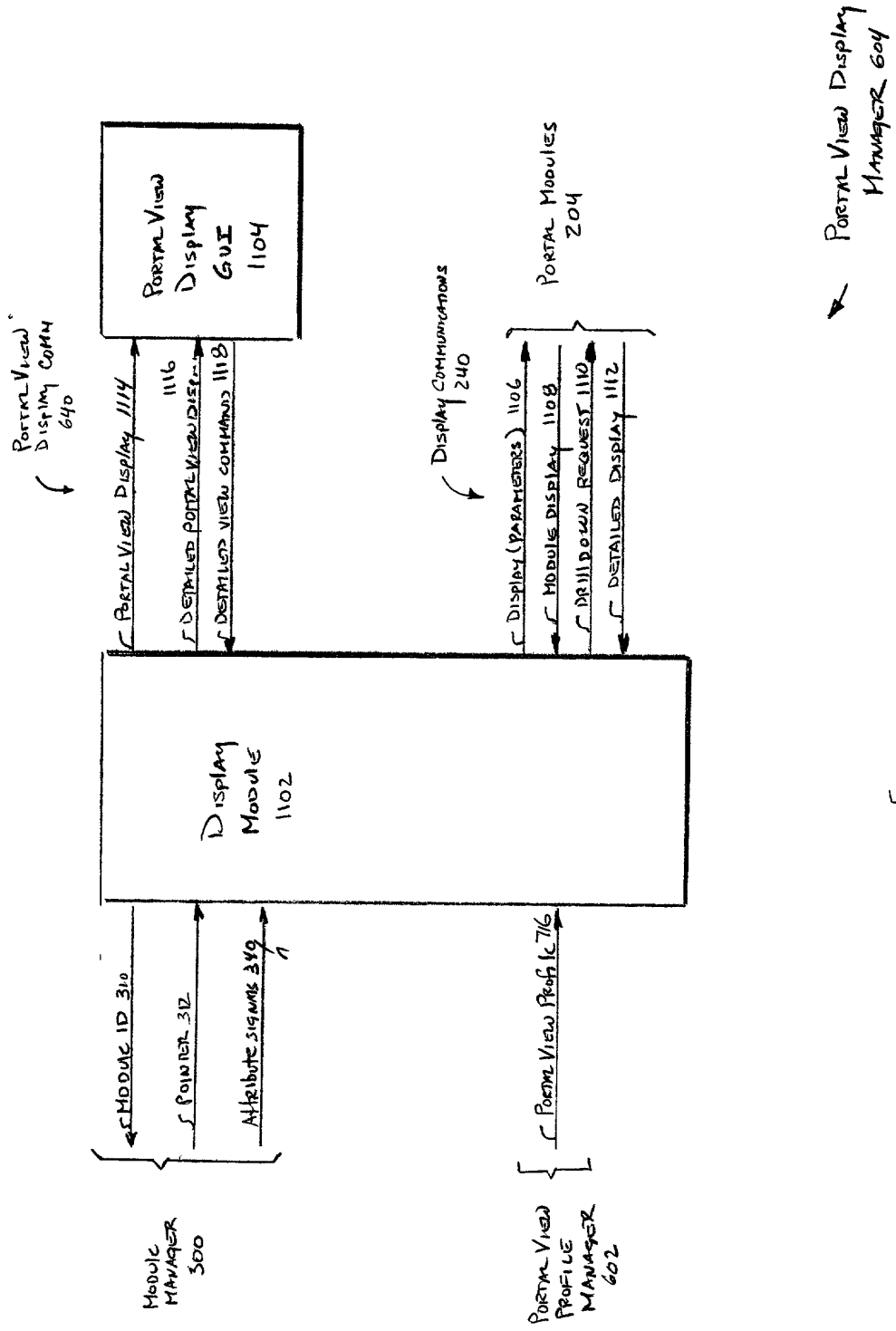


FIGURE 11

NETWORK
SHEET
1202A
(CONT)

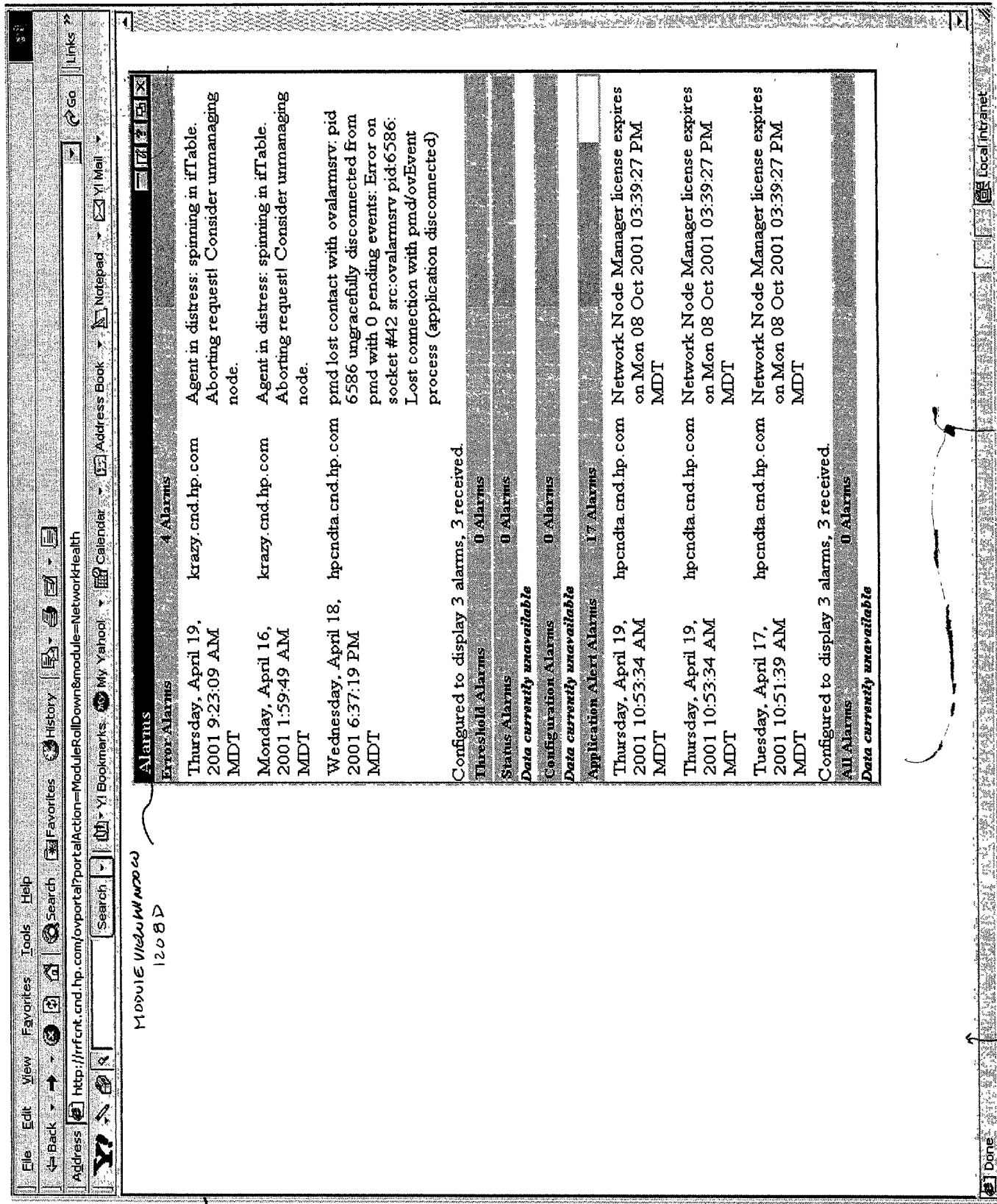
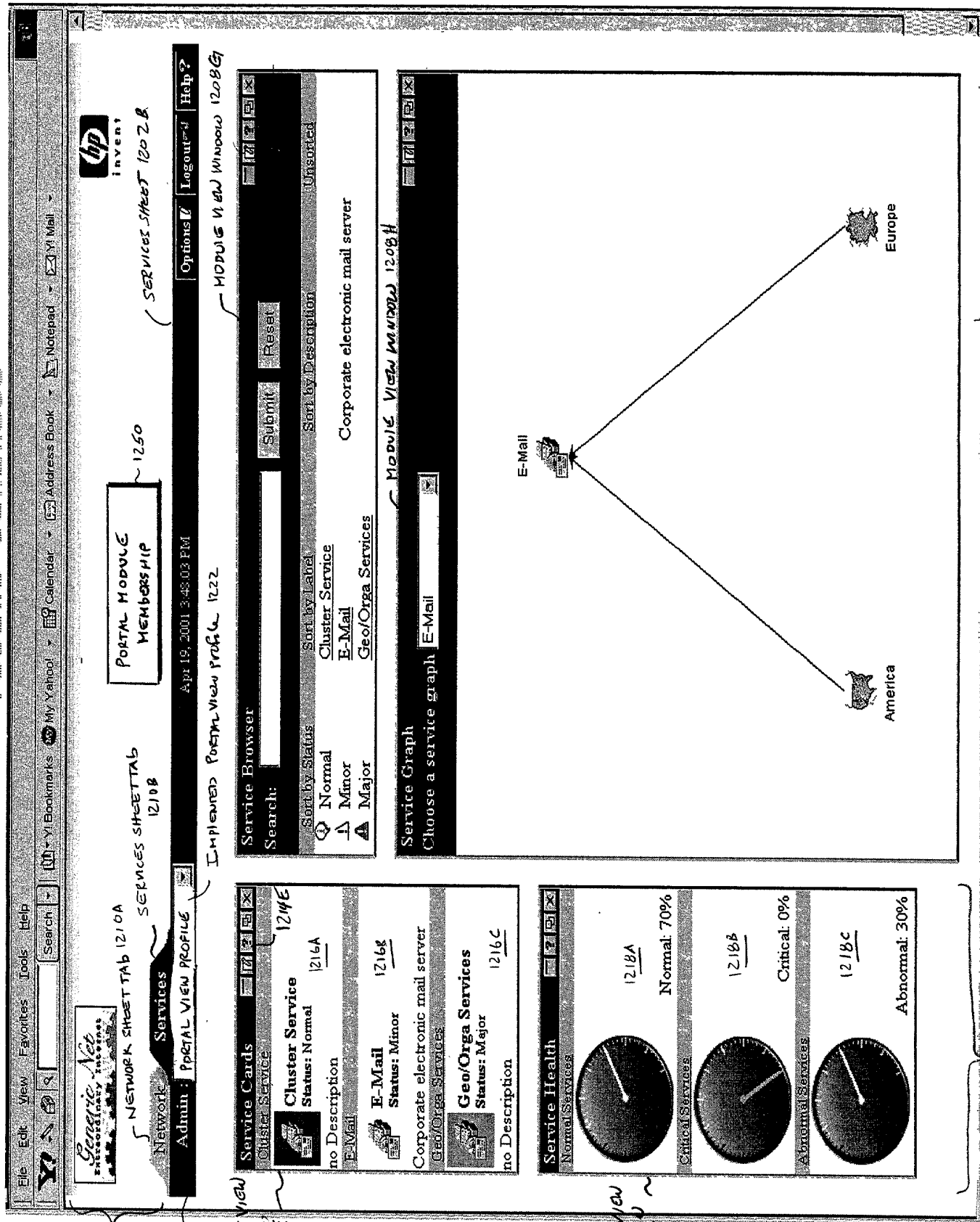


FIGURE 12B

LEFT COLUMN
1204



File Edit View Favorites Tools Help

Address: http://infocn.cnd.hp.com/ovportal?action=ModuleSpecific&module=NetworkHealth&ModAction=DrillDown&healthid=RouterHealth

Search: [] My Yahoo! [] My Calendar [] Address Book [] Notepad [] Mail []

Go



Home [] Help []

Apr 20, 2001 11:28:23 AM

Admin

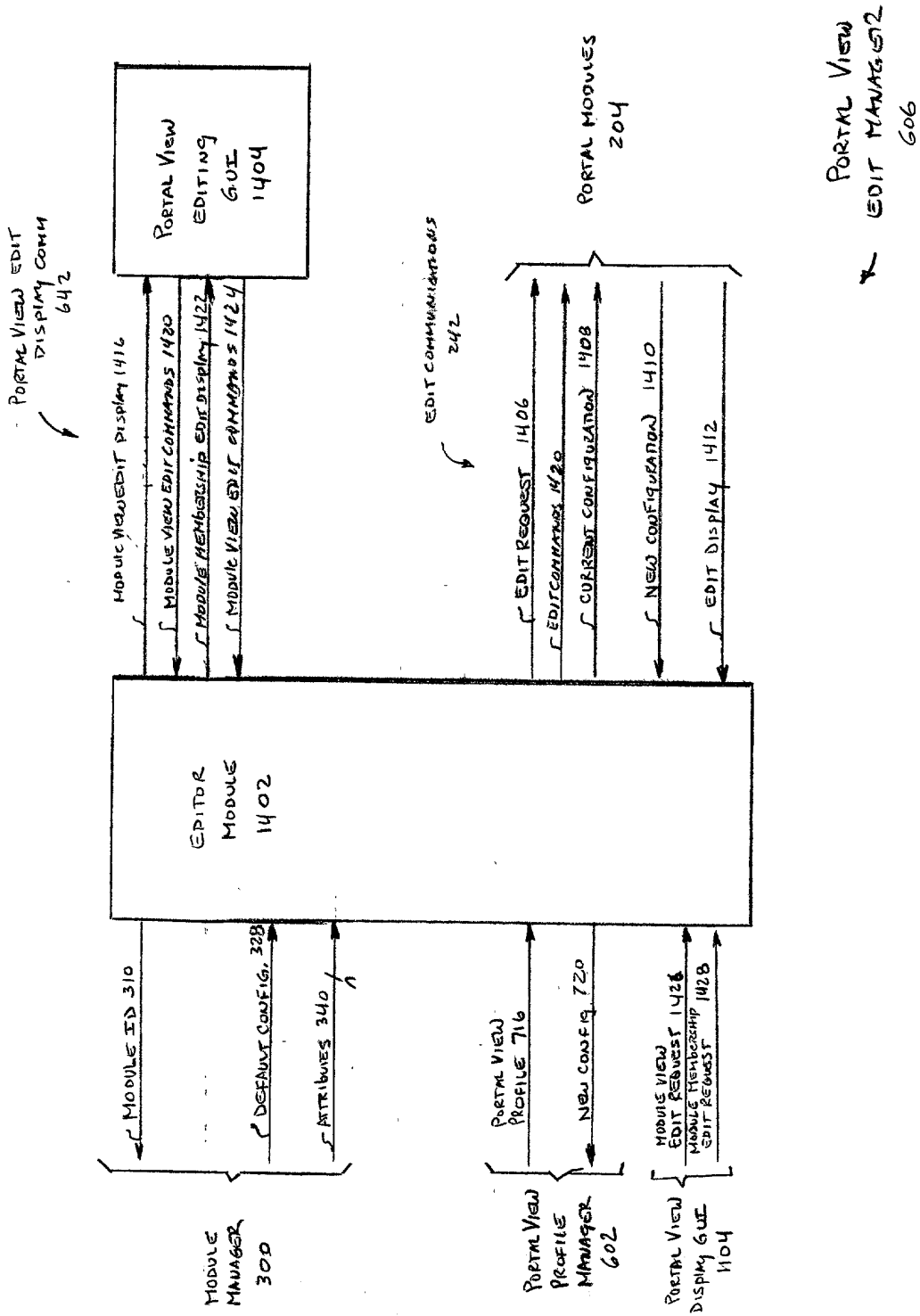
Router Health Detailed Portal View 1300

Network Device Health			
Router Health			
Resource	Overall Health	Interface Health	CPU Utilization Health
coleman.cnd.hp.com	33 %	33%	Data unavailable
stthpsv1.cnd.hp.com	40 %	40%	Data unavailable
pikes.cnd.hp.com	40 %	40%	Data unavailable
hpfcnmjm.cnd.hp.com	50 %	50%	Data unavailable
ovuxprnt.cnd.hp.com	50 %	50%	Data unavailable
lurch.cnd.hp.com	60 %	60%	Data unavailable
cadbury.cnd.hp.com	60 %	60%	Data unavailable
igor.cnd.hp.com	60 %	60%	Data unavailable
longs.cnd.hp.com	66 %	66%	Data unavailable
alleycat.cnd.hp.com	66 %	66%	Data unavailable
smithers.cnd.hp.com	100 %	100%	Data unavailable
godfrey.cnd.hp.com	100 %	100%	Data unavailable

Local Intranet

Done

Figure 13



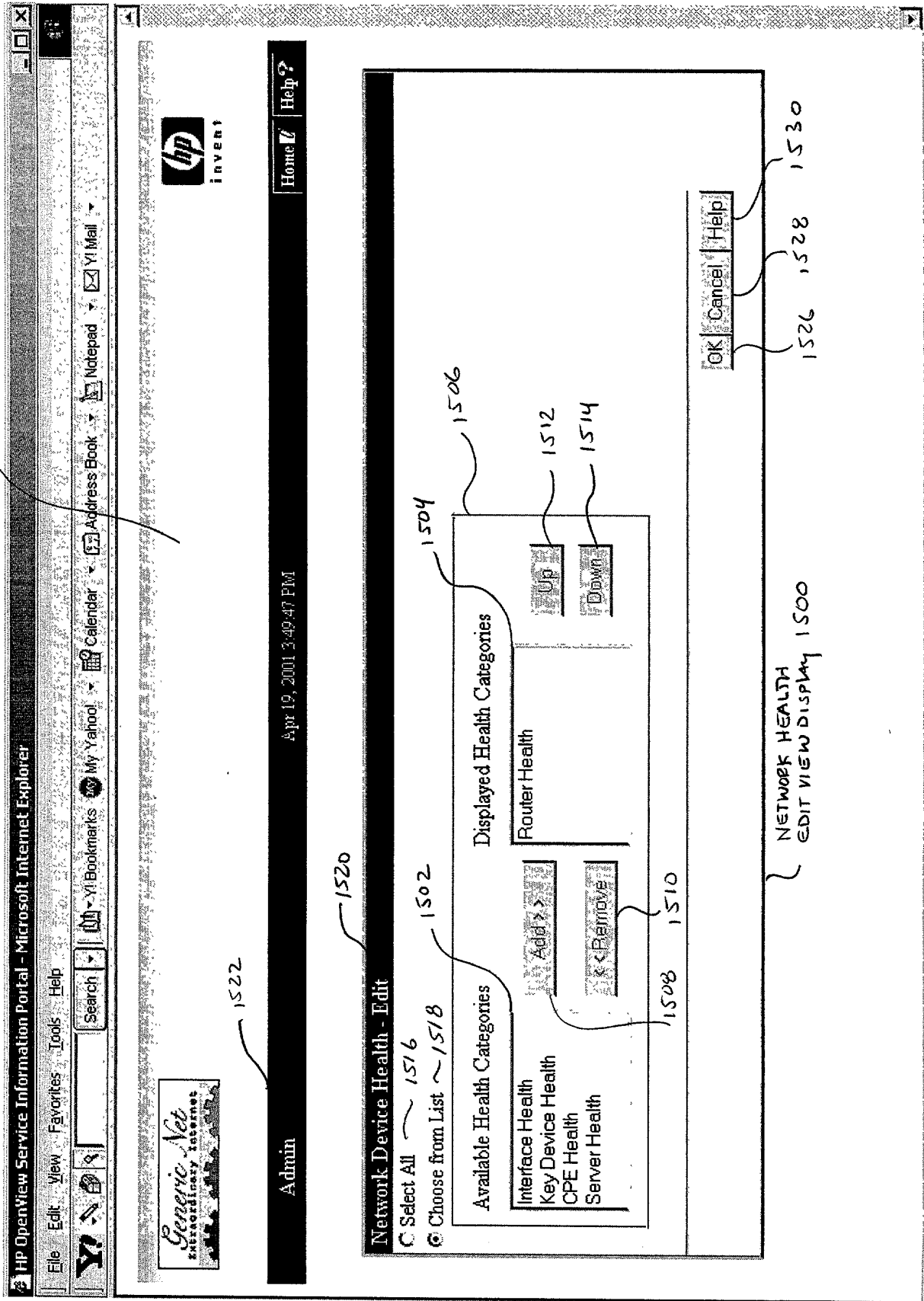
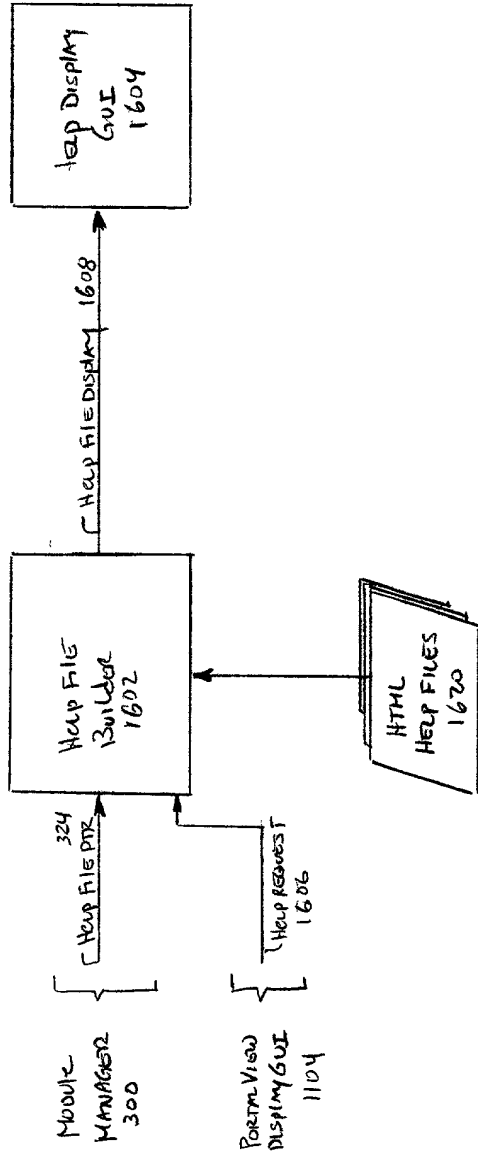


Figure 15



HELP Display
 MANAGER 608

FIGURE 16

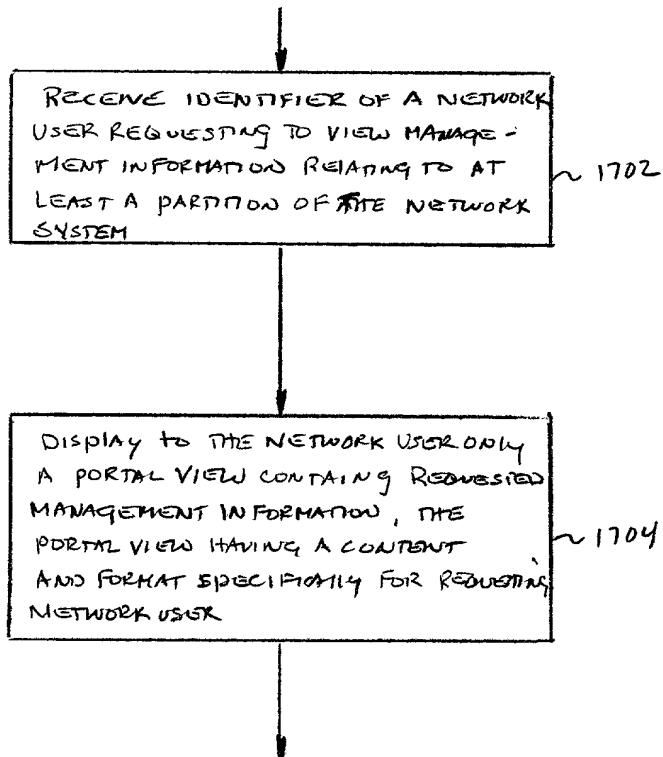


FIGURE 17

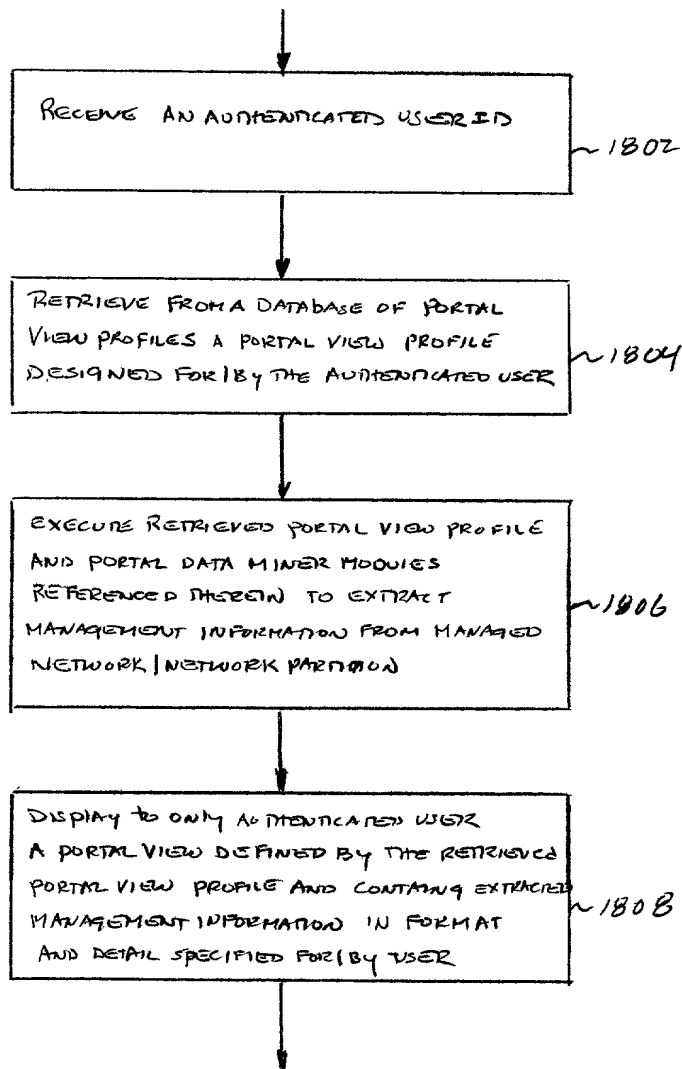


FIGURE 18

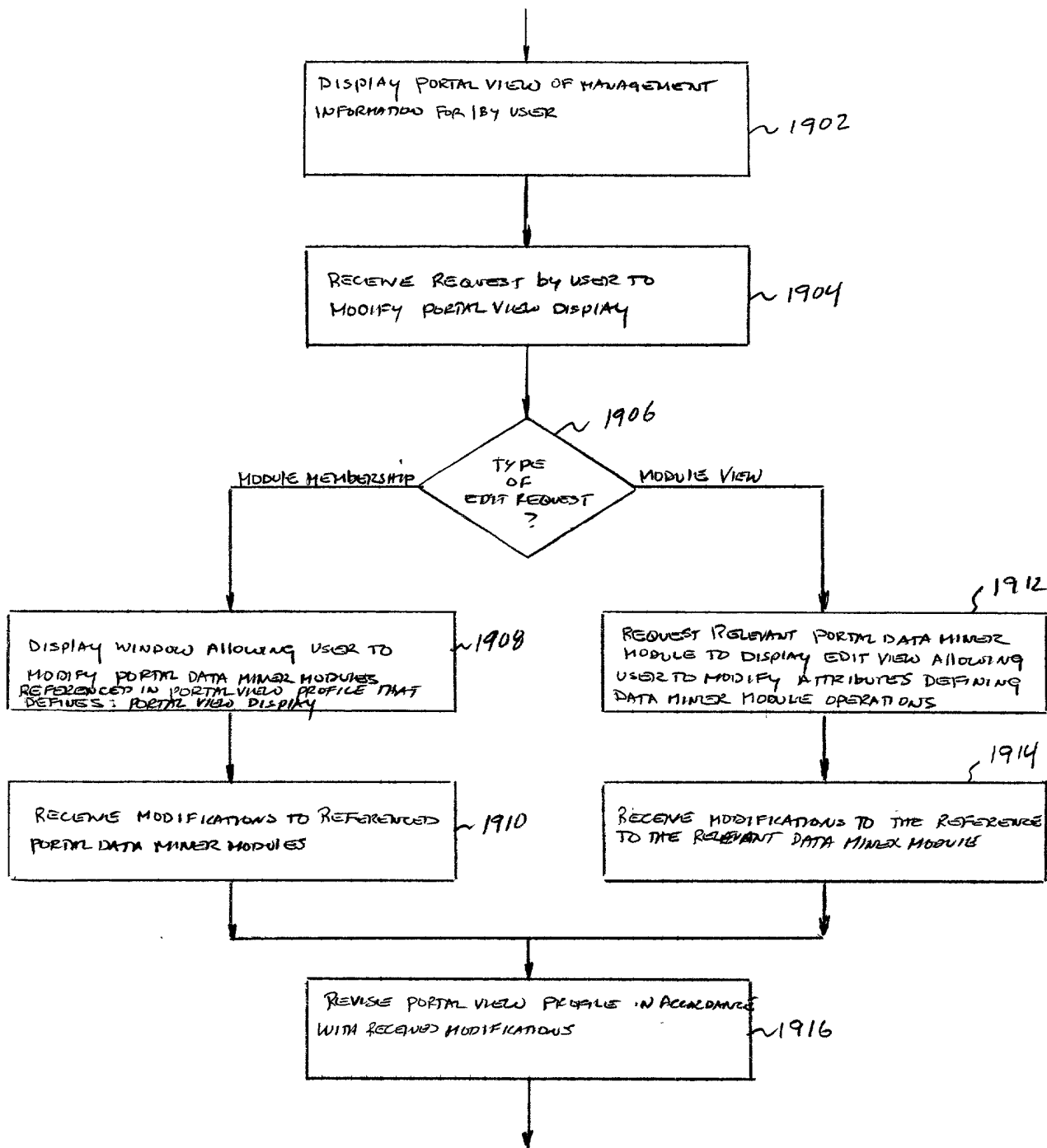


FIGURE 19